



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



Publication number: **0 418 845 A1**

## EUROPEAN PATENT APPLICATION

Application number: 90117983.8

Date of filing: 19.09.90

Int. Cl.<sup>5</sup>: **C07D 231/14, A61K 31/415,  
C07D 231/12, C07D 409/04,  
C07D 401/04, C07D 403/04,  
A61K 31/38, A61K 31/44**

Priority: 22.09.89 GB 8921466  
12.04.90 GB 9008399

Date of publication of application:  
27.03.91 Bulletin 91/13

Designated Contracting States:  
**AT BE CH DE DK ES FR GB GR IT LI LU NL SE**

Applicant: **FUJISAWA PHARMACEUTICAL CO.,  
LTD.**  
4-7, Doshomachi 3-chome Chuo-ku  
Osaka-shi Osaka 541(JP)

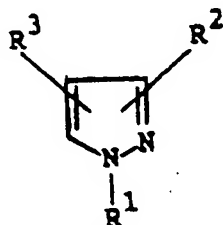
Inventor: Matsuo, Masaaki  
4-12, Nakasakurazuka 5-chome

Toyonaka-shi, Osaka 560(JP)  
Inventor: Tsuji, Kiyoshi  
170, Hatacho  
Kishiwada-shi, Osaka 596(JP)  
Inventor: Konishi, Nobukiyo  
22-7 Aotanal  
Nagaokakyo-shi, Kyoto 617(JP)  
Inventor: Nakamura, Katsuya  
22-20-306, Mikageyamate 2-chome,  
Higashinada-ku  
Kobe-shi, Hyogo 658(JP)

Representative: Türk, Gille, Hrabal  
Brucknerstrasse 20  
W-4000 Düsseldorf 13(DE)

Pyrazole derivatives, processes for preparation thereof and pharmaceutical composition comprising the same.

A compound of the formula :



[ I ]

wherein R<sup>1</sup> is aryl which may be substituted with substituent(s) selected from the group consisting of lower alkyl, halogen, lower alkoxy, lower alkylthio, lower alkylsulfinyl, lower alkylsulfonyl, hydroxy, lower alkylsulfonyloxy, nitro, amino, lower alkylamino, acylamino and lower alkyl(acyl)amino; or a heterocyclic group;  
R<sup>2</sup> is hydrogen; methyl substituted with amino, lower alkylamino, halogen or acyloxy; acyl; acylamino; cyano; halogen; lower alkylthio; lower alkylsulfinyl; or a heterocyclic group; and  
R<sup>3</sup> is aryl substituted with lower alkyl, lower alkylthio, lower alkylsulfinyl, halogen, amino, lower alkylamino, acylamino, lower alkyl(acyl)amino, lower alkoxy, cyano, hydroxy or acyl; or a heterocyclic group which may be substituted with lower alkylthio, lower alkylsulfinyl or lower alkylsulfonyl;  
with certain provisions, pharmaceutically acceptable salts thereof, processes for their preparation and pharmaceutical compositions comprising them as an active ingredient.

EP 0 418 845 A1